

**Attachment N -
District 5 Expressway Area HQ
Maintenance Yard**

**VDOT M54 (General Permit No. VAR04}
Expressway Area Headquarters
VDOT District No. 5**

Facility Name: Expressway Area Headquarters

Location: 200 South Kentucky Ave, Virginia Beach, VA, 23452

Latitude: N 36.834725* **Longitude** W 76.111653*

Date of Visit: October 24, 2012

Entry Time: 8:30 a.m. (approx)

Exit Time: 10:00 a.m. (approx)

Site Owner and/or Operator: VDOT-Hampton Roads District

Site Contacts: Perry Allgood (Foreman/Supervisor II, VDOT)

Conducted by: Bobby Jacobsen (PG Environmental, LLC), Chuck Schadel (U.S. EPA Region 3), Kyle Zieba (U.S. EPA Region 3), and Kaitlin McCann (U.S. EPA Region 3)

Accompanied by¹: Jeff Selengut (Permit Writer, Virginia OCR), Roy Mills (Program Administrator, VDOT), Sharon Harless (VDOT Consultant, EEE Consulting, Inc.), Ian Frost (VDOT Consultant, EEE Consulting, Inc.), Ed Wallingford (VDOT), and John Olenik (Engineer I, VDOT)

Site Visit Report Prepared by: Bobby Jacobsen (PG Environmental, LLC)

On October 24, 2012, the EPA Inspection Team inspected the Expressway Area Headquarters (hereinafter, Facility). Dry weather conditions were experienced throughout the inspection activities. Weather history reports from the National Oceanic and Atmospheric Administration station Norfolk Intl AP-44-6139 indicated that on 10/18/2012, trace amounts of precipitation occurred and on 10/15/2012, 0.68" of precipitation occurred.

Based on a review and comparison of the Facility location and the United States Census 2000 Urbanized Area designation, it was determined that the Facility is located within the urbanized area. The Facility comprises office buildings, storage buildings, a covered vehicle fueling island, and vehicle/equipment storage areas. According to the VDOT Foreman/Supervisor II, the Facility houses a bridge maintenance crew of 6 staff. The primary activities conducted at the Facility are vehicle, equipment, and materials storage, vehicle washing, and vehicle fueling. Stormwater runoff from the Facility is conveyed to on-site storm drain inlets which discharge to a drainage ditch along the eastern, northern, and western perimeter of the Facility. The VDOT Foreman/Supervisor II explained that the drainage ditch also receives stormwater runoff from the adjacent I-264 and the residential neighborhood to the north/northeast. The VDOT Foreman/Supervisor II stated that Thalia Creek is located about 0.5 mile west of the Facility.

The EPA Inspection Team observed the following with regard to pollution prevention and good housekeeping at the Facility:

1. The VDOT Foreman/Supervisor II explained that formal documented inspections of the Facility for pollution prevention and good housekeeping are not conducted on a regular basis.

¹ Sign-in sheets for the site visit are provided after the photograph log.

VDOT MS4 (General Permit No. VAR04)
Expressway Area Headquarters
VDOT District No. 5

The VDOT Foreman/Supervisor II added that about every two weeks he would clean up trash from the drainage ditch along the perimeter of the Facility, and occasionally he and other staff would clean out the storm drain inlets, but these activities were not documented.

2. The VDOT Consultant stated that at the time of the inspection a formal plan for addressing stormwater pollution prevention and good housekeeping at the Facility had not been developed or implemented (e.g., Storm Water Pollution Prevention Plan). He added that a draft Stormwater Pollution Prevention Plan (SWPPP) was being prepared in preparation for the issuance of the next MS4 permit.
3. Staining was present on the impervious ground surface adjacent to a generator in the southeastern portion of the Facility (see Photographs 1 and 2). The VDOT Foreman/Supervisor II stated that the generator had been brought over from a nearby facility and was not in service. He explained that the generator would likely be connected to the power supply at the Facility within the next couple of months.
4. Sediment and gravel was observed on the impervious ground surface upgradient and adjacent to a storm drain drop inlet directly in front of the storage building near the center of the Facility (see Photograph 3). BMPs for inlet protection had not been implemented for the storm drain inlet. The VDOT Foreman/Superintendent II (Mr. Allgood) explained that the storm drain inlet had a diversion pipe within it that could be opened to direct salt-laden water that enters the inlet, to underground storage tanks, therefore prohibiting flow to the drainage ditch (see Photograph 4). He explained that about four years prior, the adjacent storage building was used for salt storage and the diversion pipe in the storm drain inlet would have been used during salt loading and unloading operations. He stated that since there is no longer salt storage at the Facility the diversion pipe is left closed so that water would discharge to the drainage ditch and off site.
5. A bay inside the "shop" storage building along the western side of the Facility was used for vehicle and equipment washing (see Photograph 5). The VDOT Foreman/Superintendent II stated that the floor drain in the wash bay was connected to an underground storage tank which discharges to the sanitary sewer. The EPA Inspection Team did not view drainage schematics for the Facility to confirm this discharge location. The VDOT Foreman/Superintendent II explained that there are no drainage schematics available for the facility. He also explained that prior to two or three months before the EPA Inspection Team's site visit, state police troopers used to come to the Facility and wash their cars outside of the storage building and wash water would enter a nearby storm drain inlet. He explained that about two to three months prior to the site visit, a consultant to VDOT advised that the Facility no longer allow this practice and that all vehicle and equipment washing occur inside the wash bay.
6. Rock check dams were present in the drainage ditch along the northern perimeter of the Facility (see Photograph 6). The VDOT Foreman/Superintendent II explained that the check dams had been installed approximately one month prior to the date of EPA's inspection, in response to recommendations from a consultant to VDOT.

Sign-in Sheet

VDOT MS4 (General Permit No. VAR04)
Expressway Area Headquarters
VDOT District No. 5

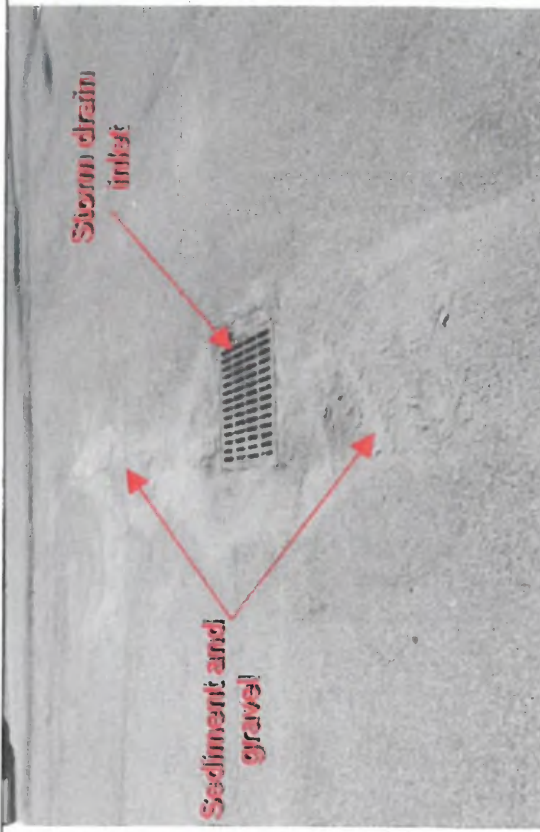
Site Visit Date: 10/24/2012



Photograph 1 – View of generator in southeastern portion of the Facility.



Photograph 2 – View of staining on impervious ground surface adjacent to generator shown in Photo 1.



Photograph 3 – View of storm drain inlet in front of storage building near center of Facility. Note accumulated sediment and gravel and lack of BMPs for inlet protection.



Photograph 4 – View inside storm drain inlet shown in Photo 3. Note that diversion pipe was closed so that flow would exit the drainage ditch rather than discharging to the underground holding tank.

Sign-in Sheet

VDOT MS4 (General Permit No. VAR04)
Expressway Area Headquarters
VDOT District No. 5

Site Visit Date: 10/24/2012



Photograph 5 – View of vehicle wash bay inside the “shop” storage building.



Photograph 6 – View of rock check dams in drainage ditch along northern perimeter of the Facility.

Sign-in Sheet

VDOT MS4 (General Permit No. VAR04)
Expressway Area Headquarters
VDOT District No. 5

Site Visit Date: 10/24/2012



VIRGINIA DEPARTMENT OF TRANSPORTATION SITE VISIT ATTENDANCE RECORD

Location: <u>Expressway AHQ</u>	Start Time: <u>8:45</u>	End Time:
Visit Date: <u>10-24-2012</u>		
Roster Administration Notes		

First Name	Last Name	Affiliation (VDOT, EPA, EEE, etc.)	Attendees Signature
1. John	O'Brien	VDOT	[Signature]
2. Sharon	Hartless	VDOT	[Signature]
3. Ryan	Schmidt	VDOT	[Signature]
4. [unclear]	Schmidt	VDOT	[Signature]
5. [unclear]	McLennan	EPA contractor	[Signature]
6. Kaitlyn	McLennan	EPA #3	[Signature]
7. Chuck	Schmidt	" "	[Signature]
8. Kyle	Finke	" "	[Signature]
9. [unclear]	Wallerstein	VDOT	[Signature]
10. Perry	Allegre	VDOT	[Signature]
11. Ian	Edwards	VDOT	[Signature]
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